



CCN Custom Reporting Service (CRS) User Manual

Version 8.2

February 2015





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Introduction to the Cardiac Care Network of Ontario

The Cardiac Care Network of Ontario (CCN) serves as a system support to the Ministry of Health and Long-Term Care (MOHLTC), Local Health Integration Networks (LHINs), hospitals, and care providers and is dedicated to improving quality, efficiency, access and equity in the delivery of the continuum of cardiac services in Ontario. CCN's priority is to ensure the highest quality of cardiovascular care, based on evidence, standards and guidelines, and to actively monitor access, volumes and outcomes of advanced cardiac procedures in Ontario. In addition, CCN works collaboratively with provincial and national organizations to share ideas and resources and co-develop strategies that enhance and support the continuum of cardiovascular care, including prevention, rehabilitation and end-of-life care. Working with key stakeholders, CCN helps to plan, coordinate, implement and evaluate cardiovascular care and is responsible for the Ontario CCN Cardiac Registry. The information collected in the CCN Cardiac Registry includes wait time information as well as specific clinical parameters required to evaluate key components of care and determine risk-adjusted outcomes. Through scientific evidence, expert panels and working groups, CCN uses evidence and consensus driven methods to identify best practice and strategies to effectively deliver cardiovascular services, across the continuum of care.



Introduction to CCN-Custom Reporting Service (CCN-CRS)

In 2014, CCN implemented the CCN Custom Reporting Service (CCN-CRS) that will facilitate end-users' access to their own hospital's registry data. With CCN-CRS, users can run their existing Infoview reports with an enhanced user interface that will provide a more customized experience based on the needs of the end-user. CCN-CRS also includes a Web Intelligence application that is used to run queries against the CCN Cardiac Registry. Simply by dragging and dropping, users can independently extract their own data from the CCN Cardiac Registry without any database experience. After retrieving the data, users can then export the data to other software applications (such as Microsoft Excel) for analysis and presentations.

This manual provides an overview of the CCN-CRScore functions and is comprised in two section: The first part of the manual is a simple step by step introduction to the system; the second section demonstrates how to access the more advanced functionalities offered by the application. This document is intended to be a simple guide to the CCN-CRS system, providing instruction on how users can extract data from the WTIS-CCN Cardiac Registry and export data for analysis and presentation.

CCN-CRS is our new portal for our users that allows users to access their own data.

If at any point you encounter issues or need assistance with the CCN-CRS, please contact the CCN Help Desk at help@ccn.on.ca or call 416-512-7472. The Help Desk team is available Monday to Friday from 8:30 AM to 5:00 PM.



Basic Training

1. Logging In

To log in to CCN-CRS

Go to <https://wtisccnrs1.ccn.on.ca/BOE/BI>. Each user will have a unique username assigned by CCN.

To log in to the CCN-CRS:

1. Enter your username and password into the form.
2. Press **Enter** or click the **Log On** button.

Custom Reporting Service
CCN-CRS

Enter your user information, and click "Log On".
If you are unsure of your account information, contact your system administrator.

System: WTISCCNR51:6400

User Name:

Password:

Log On

CARDIAC CARE NETWORK

Help



2. Navigating CCN-CRS

2.1 Home Tab

Upon logging in, you will be presented with the Home page below. The Home page is divided into two different tabs, Home and Documents. The **Home** tab consists of the following sections:

1. **Left Navigation Pane** – Lists operational, custom and statistical reports created by CCN.
2. **My Applications** – The Web Intelligence is located here providing you access to the Universe and allowing you to create custom queries and reports.
3. **Web Page Module** – Access to Business Object Enterprise (BOE) documents: CCN Data Dictionary, TAVI Registry and Frequently Asked Questions.

CARDIAC CARE NETWORK

Welcome: 693-user | Applications | Help menu | Log off

Home | Documents

Left Navigation Pane

Title	Type
A_10_Discharge_Transfer_Status_v10.0	Crystal Reports
A_19_Utilization_by_Physician_v10.0	Crystal Reports
A_33_Stent_Utilization by Case by Date_v11.0	Crystal Reports
A_43a_CERO_v7.0	Crystal Reports
A_75c_Utilization_by_Date_v10.0	Crystal Reports
A_75c_Utilization_by_Procedure_by_Patient_by_Date_v17	Crystal Reports
C_10a_Cardiaccess_Patient_Profile_v3.0	Crystal Reports
C_10a_Cardiaccess_Patient_Profile_v3.0	Crystal Reports
E_52a_Wait_List_Report_by_Accepting_HCP_v12.0	Crystal Reports
E_52b_Wait_List_Report_by_Procedure_v12.0	Crystal Reports
G_07_Checked_Missing Data_v13.0	Crystal Reports

My Applications

Web Page Module

CARDIAC CARE NETWORK

BOE Documents

[CCN Data Dictionary Release 9.0 V1.0](#)

[TAVI Registry November 2013 v2](#)

[Frequently Asked Questions](#)

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4100 Yonge Street, Suite 502, Toronto, Ontario, M2P 2B5 CANADA.

Text Size: [A](#) [A](#) [A](#)



2.2 Documents Tab

The **Documents** tab consists of your own custom hospital name folder where you and your coworkers will be saving your own queries and our pre-built **Custom**, **Operational** and **Statistical** reports. If you have used our Infoview reporting system before you should be very familiar with the **Custom**, **Operational** and **Statistical** folders.

CARDIAC CARE NETWORK Welcome: 693-user | Applications | Help menu | Log off

Documents (highlighted in red)

View | New | Organize | Send | More Actions | Details

My Documents	Title	Type	Last Run	Instances
Public Folders				
CCN EXTERNAL				
693 Kingston General Hospital				
Reports				
Custom				
Operational				
Statistical				
	A_10_Discharge_Transfer_Status_v10_0	Crystal Reports		2
	A_19_Utilization_by_Physician_v10_0	Crystal Reports		1
	A_33_Stent Utilization by Case by Date_v11_0	Crystal Reports		0
	A_43a_CERO_v7_0	Crystal Reports		0
	A_75c_Utilization_by_Date_v10_0	Crystal Reports		0
	A_75c_Utilization_by_Procedure_by_Patient_by_Date_v17	Crystal Reports		0
	C_10a_Cardiaccare_Patient_Profile_v2_0	Crystal Reports		0
	E_52a_Wait_List_Report_by_Accepting_HCP_v12_0	Crystal Reports		0
	E_52b_Wait_List_Report_by_Procedure_v12_0	Crystal Reports		0
	G_67_Check_Missing Data_v13_0	Crystal Reports		0
	G_37_STEH Activity Reconciliation v1	Crystal Reports		0
	G_47-TAVI Missing Data Report v2	Crystal Reports		0
	G_70_STEH Activity Missing Data v1	Crystal Reports		0
	I_26_Actual_vs_Plan_v7_0	Crystal Reports		0
	K_35b_Length_of_Wait_by_Placement_at_Time_of_Referral_v15_0	Crystal Reports		0
	K_43a_Cath_Removals_Completed_v5_0	Crystal Reports		0
	K_63a_OP_Length_of_Wait_by_Referring_Physician_v6_0	Crystal Reports		0
	M_71a_Cancellation_Report_for_Patients_Waiting_v6_0	Crystal Reports		0
	M_71b_Cancellation_Report by Cancellation Reason_v6_0	Crystal Reports		0
	O_27a_ValveProcedure_v10_0	Crystal Reports		0
	O_80_PatientsWaiting_with_PreviousCABG_v5_0	Crystal Reports		0
	O_81_Deaths on Waitlist_v6_0	Crystal Reports		0
	O_82_Removal_Reason_v9_0	Crystal Reports		0
	O_83a_Refer On Sent_v2_0	Crystal Reports		0
	O_83b_Refer On Received_v2_0	Crystal Reports		0
	Stents per Physician_v2	Crystal Reports		0
	X_67a_Site Specific Item Report_v6_0	Crystal Reports		0
	Z_01a_Cover Reconciliation_v4_0	Crystal Reports		0











Search




3. My First Web Intelligence Project

In this section, we will be creating a simple query, step by step. The manual will cover the following: launching Web Intelligence, creating a new query, saving the query, and exporting the results.

3.1 CCN-CRS Legend

-  Web Intelligence Application
-  Refresh Button
-  Search Button
-  New Document
-  Open Existing Document
-  Save Document
-  Print Document
-  Search Document
-  Edit Query
-  New Folder

3.2 Starting Up Web Intelligence

To start up the Web Intelligence you must first be on the Home page as shown below and click the **Web Intelligence** icon  located in the **My Applications** section.

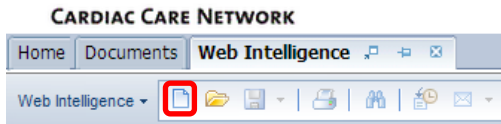
The screenshot displays the Cardiac Care Network Web Intelligence application. The top navigation bar includes 'Home', 'Documents', and 'Reports'. The 'My Applications' section on the left sidebar contains a red box around the Web Intelligence icon. The main content area shows a 'BOE Documents' section with a stethoscope graphic and links to 'CCN Data Dictionary Release 9.0 V1.0', 'TAVI Registry November 2013 v2', and 'Frequently Asked Questions'. The footer contains copyright information and contact details for the Cardiac Care Network of Ontario.



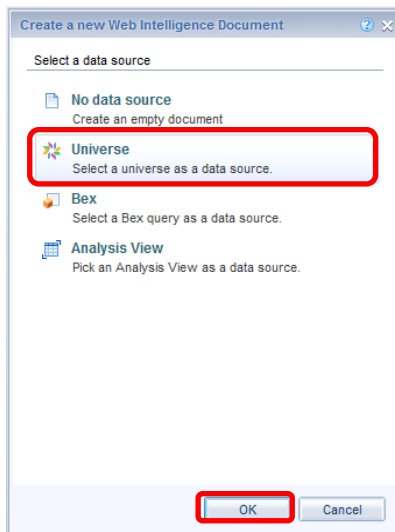
3.3 Starting a New Project

The following images show how to start a new project inside the Web Intelligence software.

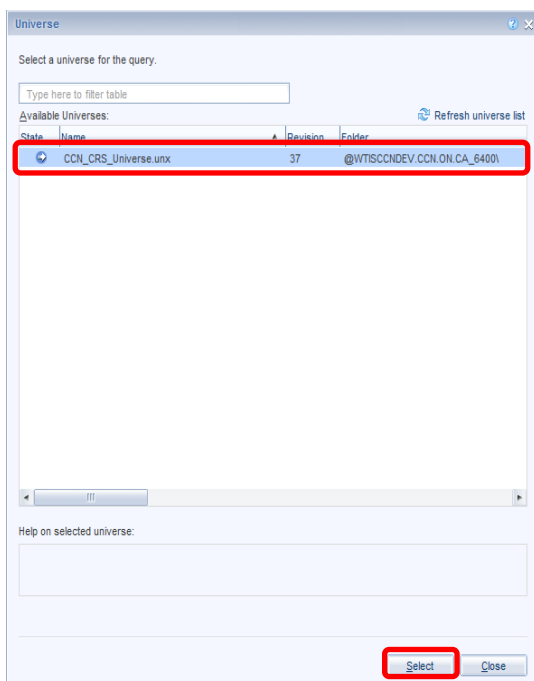
Step 1: From the **Web Intelligence** startup page right at the top there is the icon for new document.



Step 2: In the **Create a new Web Intelligence Document** dialogue window, under **Select a data source**, select **Universe** and then click **OK**



Step 3: In the **Universe** dialogue window, under **Available Universes**, select **CCN_CRS_Universe.unx** and then click **Select**.

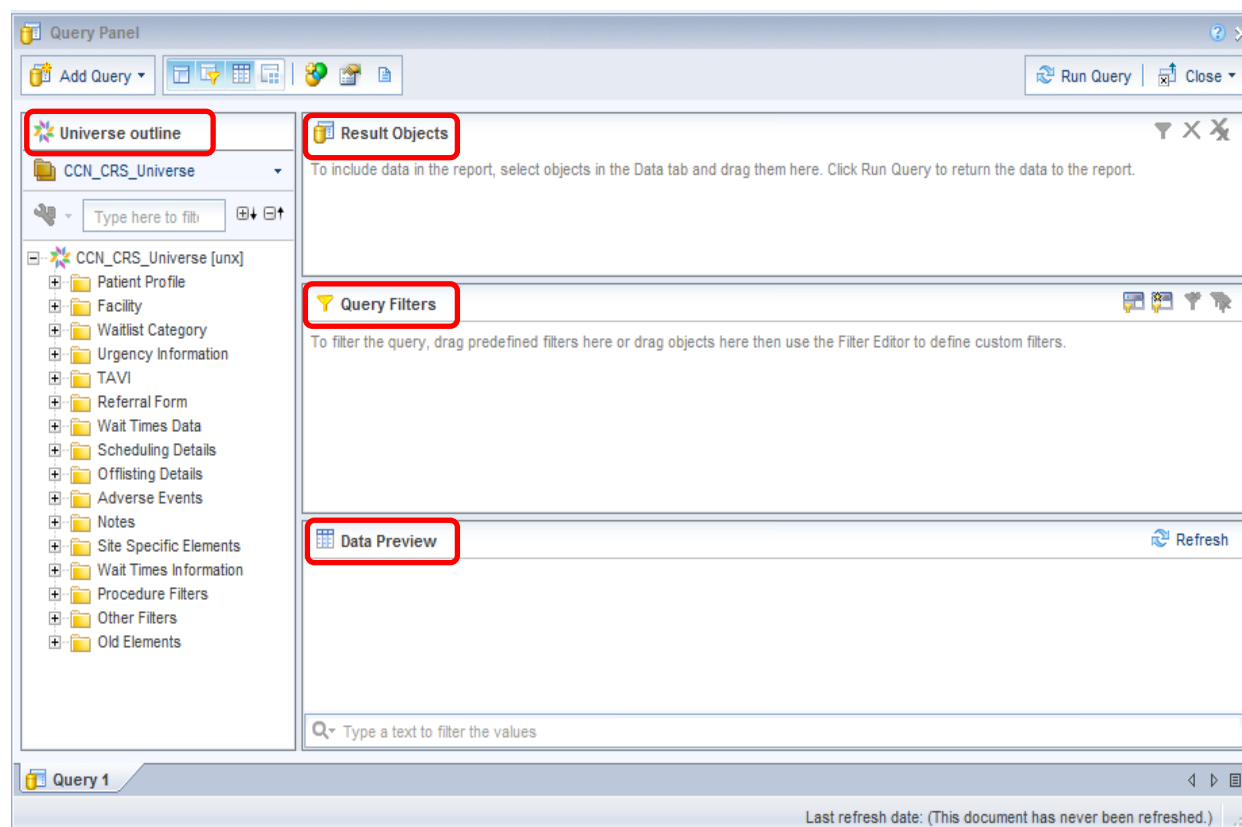




3.4 Understanding the Query Panel

This is the panel where you can run a query of the CCN Cardiac Registry. Choose any combination of data elements from the registry, and apply any number of filters to define the query.

1. **Universe Outline** - Contains a search box and sets of folders with all available dimensions, filters and measures. We have kept the folder structure and naming convention the same as the CCN Cardiac Registry.
2. **Result Objects** - The selected objects that will be displayed in the generated report—these will be the columns for your data (i.e. Patient Full Name, Health Card Number, Address).
3. **Query Filters** - This serves as your filter(s) for your data. You may drag predefined filters here, or you may use dimensions to filter as well. Think of this as your funnel to cut out data you do not require (i.e. Data Range, Age, Procedure).
4. **Data Preview** - You may preview your data before running the query here to see how it will look before running a full query (200 rows).








3.5 Using the Query Panel

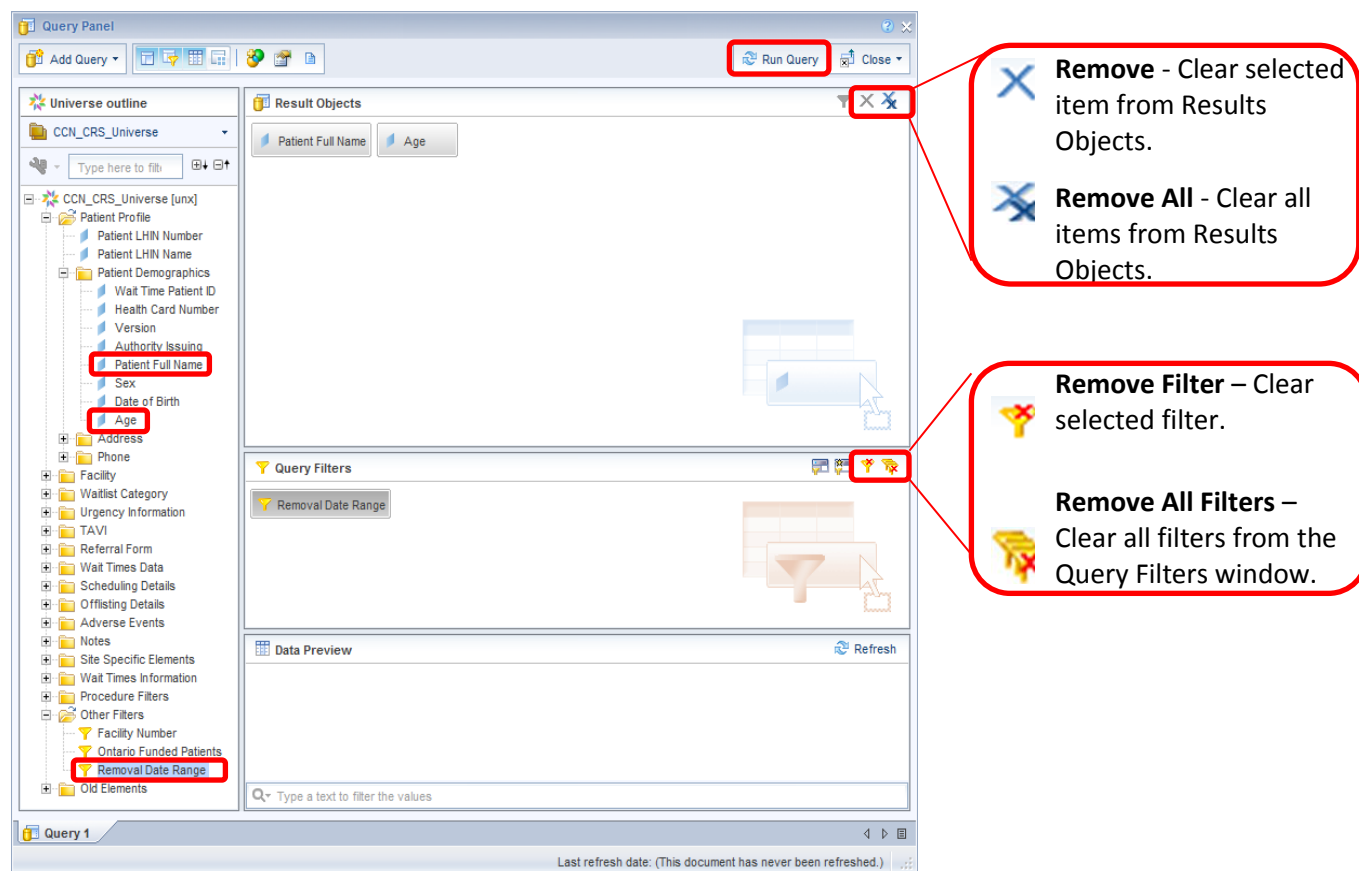
Next, we will use the Query Panel to create a basic query.

1. We are going to want to find **Patient Full Name** and the **Age** for all patients. To do this you must first open the **Patient Profile** folder and the **Patient Demographics** sub folder. Now we can drag **Patient Full Name** and **Age** in to the **Result Objects** container as shown below.
2. For the next part we only want to grab patients from December 2014. To do this we need to add the **Removal Date Range** filter that is located in the folder called **Other Filters**. Find this filter and drag it into the **Query Filters** container. This filter will allow us to choose a date range for our dataset (December 1, 2014 to December 31, 2014).
3. Once you are satisfied with your query, you may run it by clicking **Run Query** at the top right of the **Query Panel**.

 **Dimension** – Data elements (i.e. Waitlist Entry ID) in the CCN Registry. These fields can be used in the 'Results Objects' and 'Query Filter' window.

 **Measure** – Calculations in the CCN Registry. These fields can be used in the 'Results Objects' and 'Query Filter' window (i.e. Wait 1, Wait 2).

 **Filter** – Defined groups of dimensions that enable one to quickly build a specific query. These filters can only be used in the 'Query Filter' window.




The screenshot shows the Query Panel interface with the following components and annotations:



- Universe outline:** A tree view on the left showing the hierarchy of data elements. **Patient Full Name** and **Age** are highlighted in the **Patient Demographics** folder. **Removal Date Range** is highlighted in the **Other Filters** folder.
- Result Objects:** A container on the right where **Patient Full Name** and **Age** have been dragged.
- Query Filters:** A container on the right where **Removal Date Range** has been dragged.
- Data Preview:** A table at the bottom showing the results of the query.
- Annotations:**
 - Remove:** A red box highlights the 'Remove' button (a blue 'X' icon) in the top right corner of the Result Objects container. The annotation states: "Remove - Clear selected item from Results Objects."
 - Remove All:** A red box highlights the 'Remove All' button (a blue 'X' icon) in the top right corner of the Result Objects container. The annotation states: "Remove All - Clear all items from Results Objects."
 - Remove Filter:** A red box highlights the 'Remove Filter' button (a yellow filter icon) in the top right corner of the Query Filters container. The annotation states: "Remove Filter - Clear selected filter."
 - Remove All Filters:** A red box highlights the 'Remove All Filters' button (a yellow filter icon) in the top right corner of the Query Filters container. The annotation states: "Remove All Filters - Clear all filters from the Query Filters window."



3.6 Filter Prompts

After running your query, depending on your filters, you may be prompted to enter values for your filters. Select your prompts (i.e. **Enter Removal Start Date**, **Enter Removal End Date**) and then select a value for each date by clicking the Calendar Icon  and then clicking **OK**.

Keep in mind the following icon definitions:

-  Requirement has been met
-  Required field

If not all prompts have been filled with values, the **OK** button will be grayed out.


Prompts

Prompts Summary

- ✓ * 1. Enter Removal Start Date 11/1/2014
- + * 2. Enter Removal End Date

2. Enter Removal End Date

Selected Value(s) _____



November 2014

	Sun	Mon	Tue	Wed	Thu	Fri	Sat
44	26	27	28	29	30	31	1
45	2	3	4	5	6	7	8
46	9	10	11	12	13	14	15
47	16	17	18	19	20	21	22
48	23	24	25	26	27	28	29
49	30	1	2	3	4	5	6

Today OK

* Required prompts

OK Cancel



3.7 Report Panel & Editing a Report

After filling in the prompts, you should be redirected to the **Report Panel** as shown below. The **Report Panel** is where you view your results, make changes, save the query, export data, etc.

To make changes to your report all you have to do is click the **Edit** button on your tab as shown below. This will bring you back to the **Query Panel** where you can make any required changes.

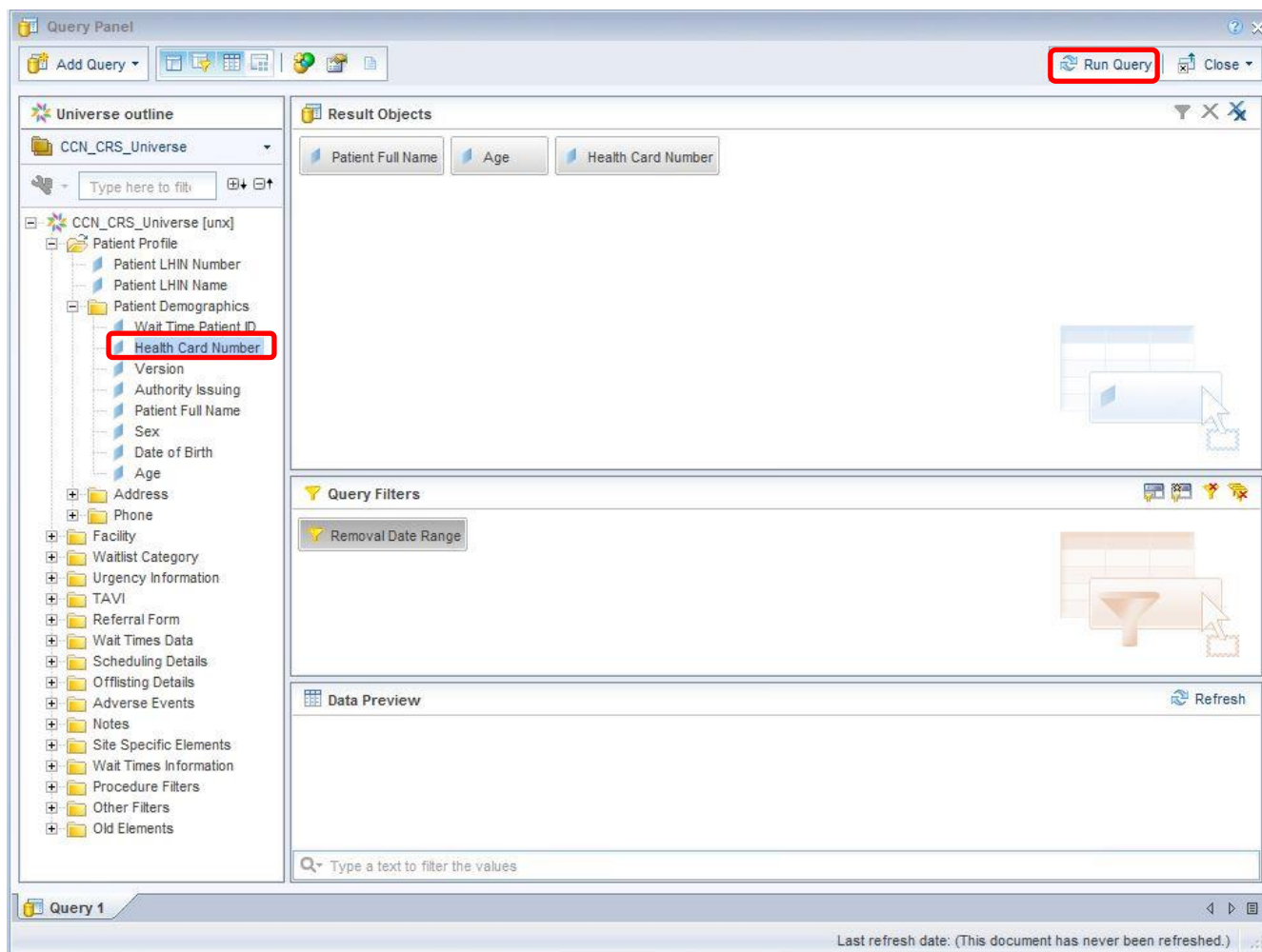
The screenshot shows the software interface with the 'Report Panel' active. The 'Edit' button in the toolbar is highlighted. The main area displays 'Report 1' with a table of patient data.

Patient Full Name	Age
Abbot, Jack	79
abi, gail	63
AWAFA, ZFLVYT	77
AWAFA, ZFLVYT	83
Barbra, KGH	62
BATISTA, JOSE CABRAL	59
BATISTA, JOSE CABRAL	73
Bat, Jose 2.5	79
BDRZ, YPVAFLT	77
Bean, Jelly	46
Bean, Jelly	59
bernabe, carol	76
BFAFILO, KOAIPAC IFLYV	54
BFDY, XVNPW	67
Birney, Birdie	59
BLACK, JACK	43
Bow, Wow	63
Brown, Del	60
Brown, Del	82
Brown, Emma	61
Brown, Emma	74
BROWN, STEPH V	55



Upon clicking **Edit**, you will be returned to the **Query Panel** where we will be adding **Health Card Number** to be part of the report as shown below. **Health Card Number** can be found under the **Patient Demographics** subfolder of the **Patient Profile** folder. Drag **Health Card Number** to the result objects tab for it to become part of your report. Now you are ready to rerun the report by clicking **Run Query** again.

Once you have clicked **Run Query** the prompts window will reappear with your previously entered values. Click **OK** to proceed.






Once you have made all of your changes and rerun the report, you will notice in the **Report Panel** that the newly added fields are not showing up in your table. The new fields have been added to your **Available Objects** tab and are ready to be used. All you have to do is drag the new fields (i.e. **Health Card Number**) into the table on any side of an existing field until a light blue rectangular icon appears.

The screenshot shows the software interface with the 'Available Objects' panel on the left and the 'Report 1' table on the right. In the 'Available Objects' panel, the 'Health Card Number' field is highlighted with a red box. In the 'Report 1' table, a red box highlights the area where a new field can be added, showing a light blue rectangular icon and the text '= [Health Card Number]'.


Patient Full Name	Age	
Abbot, Jack	79	=[Health Card Number]
abi, gail	66	
AWAFA, ZFLVYT	77	
AWAFA, ZFLVYT	83	
Barbra, KGH	62	
BATISTA, JOSE CABRAL	59	
BATISTA, JOSE CABRAL	73	
Bat, Jose 2.5	79	
BDRZ, YPVAFLT	77	
Bean, Jelly	46	
Bean, Jelly	59	
bernabe, carol	76	
BFAFIIO, KOAIPAC IFLYV	54	
BFDY, XVNPW	67	
Birney, Birdie	59	
BLACK, JACK	43	
Bow, Wow	63	
Brown, Del	60	
Brown, Del	82	
Brown, Emma	61	
Brown, Emma	74	
BROWN, STEPH V	55	

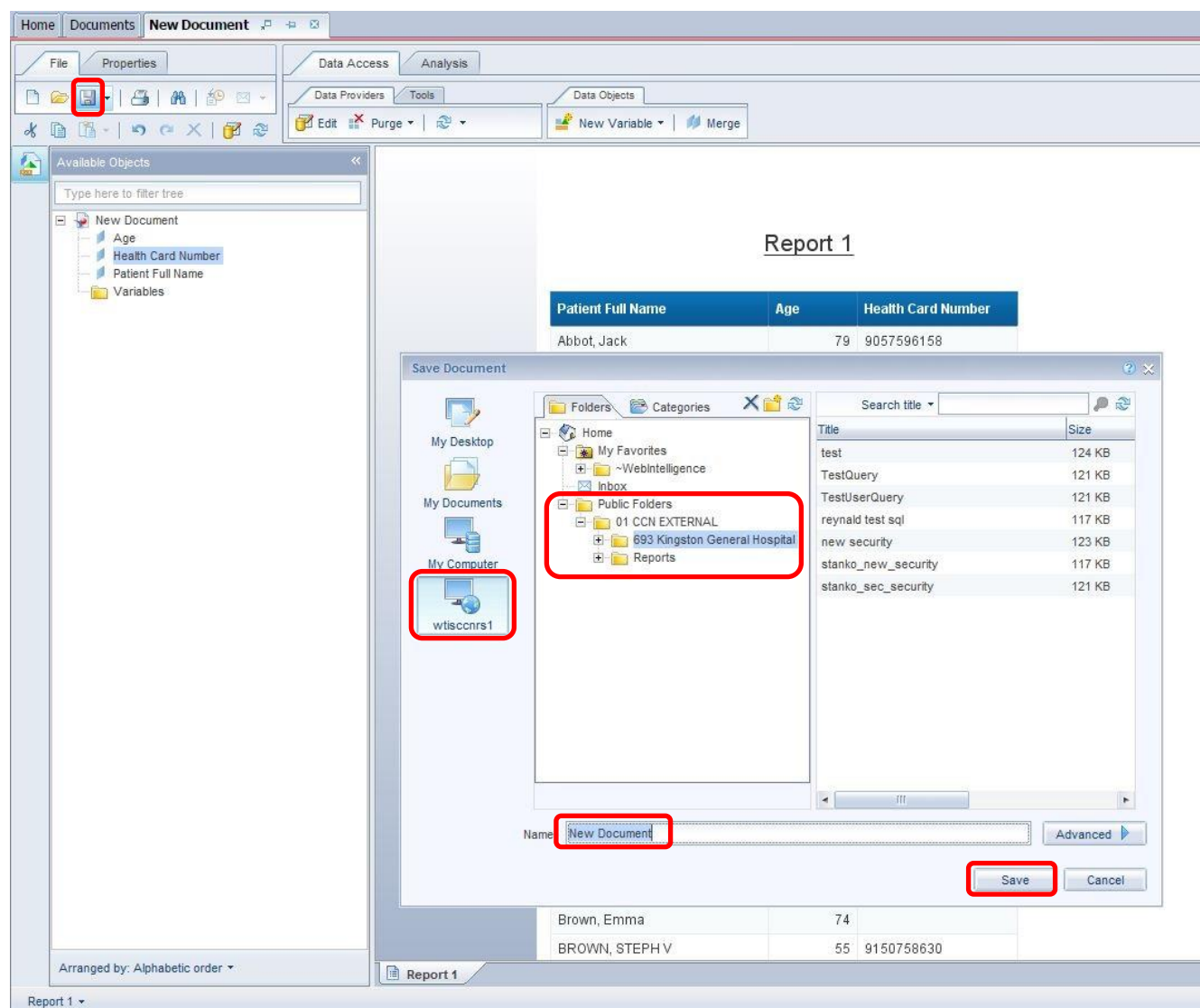


4. Saving a Query

Once you are happy with your results it is highly recommended that you **Save** your query as it can be reused by yourself or other colleagues. This also allows us at **CCN** to look at your queries and if something is going wrong we can see exactly where the problem is. To do so, click the **Save icon**  and try to give your document an informative name.

IMPORTANT

When saving your queries, always make sure you are saving them on the server **wtiscnrs1**. This will always be the default location when saving a **Query** and also you will not be able to save anywhere else except your own ***Hospital Name*** (i.e. **693 Kingston General Hospital**) subfolder of **01 CCN EXTERNAL** subfolder of **Public Folder**. It is advised that you create a subfolder in your hospital folder with your own name for a cleaner structure. To do this, click the new folder button  at the middle top of the new screen.



The screenshot displays the 'Save Document' dialog box in the Cardiac Care Network software. The dialog box is open, showing the file explorer view. The 'Folders' pane on the left shows the hierarchy: Home > Public Folders > 01 CCN EXTERNAL > 693 Kingston General Hospital. The 'My Computer' pane shows 'wtiscnrs1' selected. The 'Name' field at the bottom is set to 'New Document'. The 'Save' button is highlighted with a red box. In the background, a report titled 'Report 1' is visible, showing a table with patient data.

Patient Full Name	Age	Health Card Number
Abbot, Jack	79	9057596158

Title	Size
test	124 KB
TestQuery	121 KB
TestUserQuery	121 KB
reynald test sql	117 KB
new security	123 KB
stanko_new_security	117 KB
stanko_sec_security	121 KB

Brown, Emma	74	
BROWN, STEPH V	55	9150758630



5. Exporting a Report

Now you are ready to **Export** your data to Excel and continue manipulating the data there.


To do this first, you need to make sure you are in the **Data Access** tab as shown below. Then select the **Tools** subtab and click on **Export Data**. This will open a new window where you can name your document and select where you would like to export it to. Saving your document this way does not save the query, only its results. This means that you can only rerun the document if you save it as described in the section “**Saving a Query**”. Once ready, click **Save**.

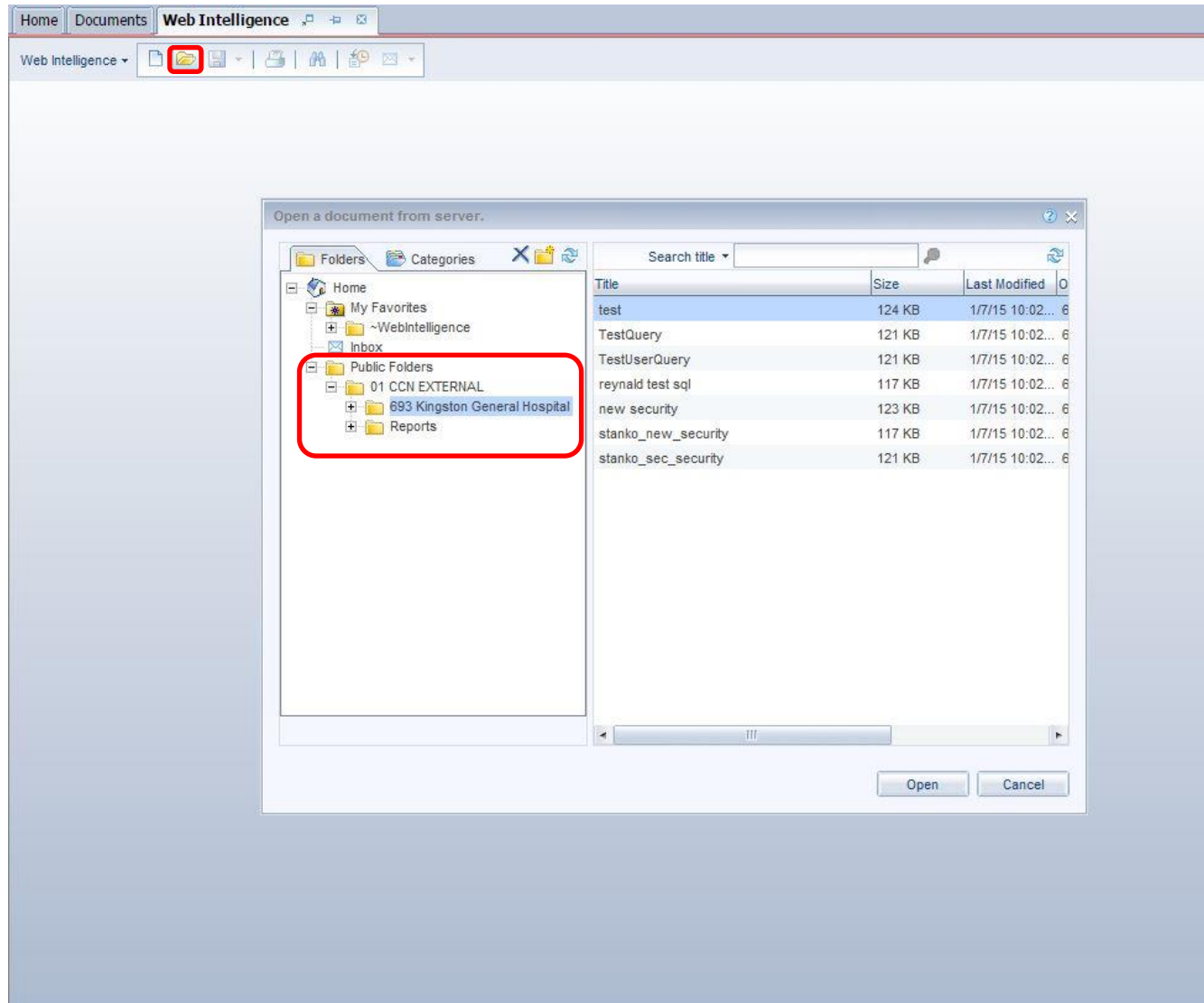
The screenshot shows the Cardiac Care Network software interface. The 'Data Access' tab is selected, and the 'Tools' subtab is active. The 'Export Data' button is highlighted. A 'Save Document' dialog box is open, showing the file name 'New Document.csv' and the file type 'CSV'. The 'Save' button is highlighted. The background shows a report titled 'Report 1' with columns for Patient Full Name, Age, and Health Card Number.

Patient Full Name	Age	Health Card Number
Brown, Del	82	
Brown, Emma	61	
Brown, Emma	74	
BROWN, STEPH V	55	9150758630



6. Open an Existing Query

To open a pre-existing query, you must be at the landing page of the **Web Intelligence** tool. From here, you want to select the **Open Existing Document** button  and that will open a new window. Expand the folders, starting with **Public Folder**, then **01 CCN EXTERNAL**, and finally ***Hospital Name*** (i.e. **693 Kingston General Hospital**) folder. You should be able to see your folder name if you have created one, if not you should see all the queries your hospital has created.






Advanced Training

1. Count Function

The remainder of the document will be about the more advanced functions that Web Intelligence has to offer.

First let's talk about counting the number of distinct Waitlist Entry ID results there are; this will show us the amount of procedures that match your defined filters by following the next steps.

1. You must first select the column you want counted. For this example it's the **Encrypted Waitlist Entry ID**.
2. Select **Analysis** tab and then **Functions** tab on the left side of the screen.
3. Click the **Count** button.
4. The result of the **Count** feature is always displayed at the bottom of the column on the last page of the report. To advance to the last page, you can click the  icon at the bottom of the application.

The screenshot shows the Cardiac Care Network Web Intelligence interface. The 'Analysis' tab is selected, and the 'Functions' sub-tab is active. The 'Count' button is highlighted in the 'Functions' sub-tab. The 'Encrypted WLEID' column is selected in the 'Available Objects' pane. The 'Count' function is applied to the 'Encrypted WLEID' column, resulting in a count of 21. The 'Count' button is also highlighted in the 'Functions' sub-tab. The 'Count' button is highlighted in the 'Functions' sub-tab.

Report 1

Encrypted WLEID	Acceptance Date	Wait 2	Age
4020811	10/18/2013	1	68
4021069	11/12/2013	20	81
4021090	11/12/2013	13	70
4021157	11/20/2013	0	50
4021193	11/20/2013	0	85
4021443	12/10/2013	1	80
4021474	12/12/2013	0	77
4021544	12/18/2013	0	82
4021642	12/31/2013	0	58
4021694	01/03/2014	0	71
4021745	01/10/2014	0	74
4021751	01/14/2014	0	54
4021768	01/14/2014	0	63
4021777	01/14/2014	0	51
4021873	01/21/2014	13	76
4021879	01/22/2014	2	63
4021887	01/22/2014	0	76
4021961	01/29/2014	0	65
4021984	01/31/2014	0	30

Count
Create/remove a count calculation

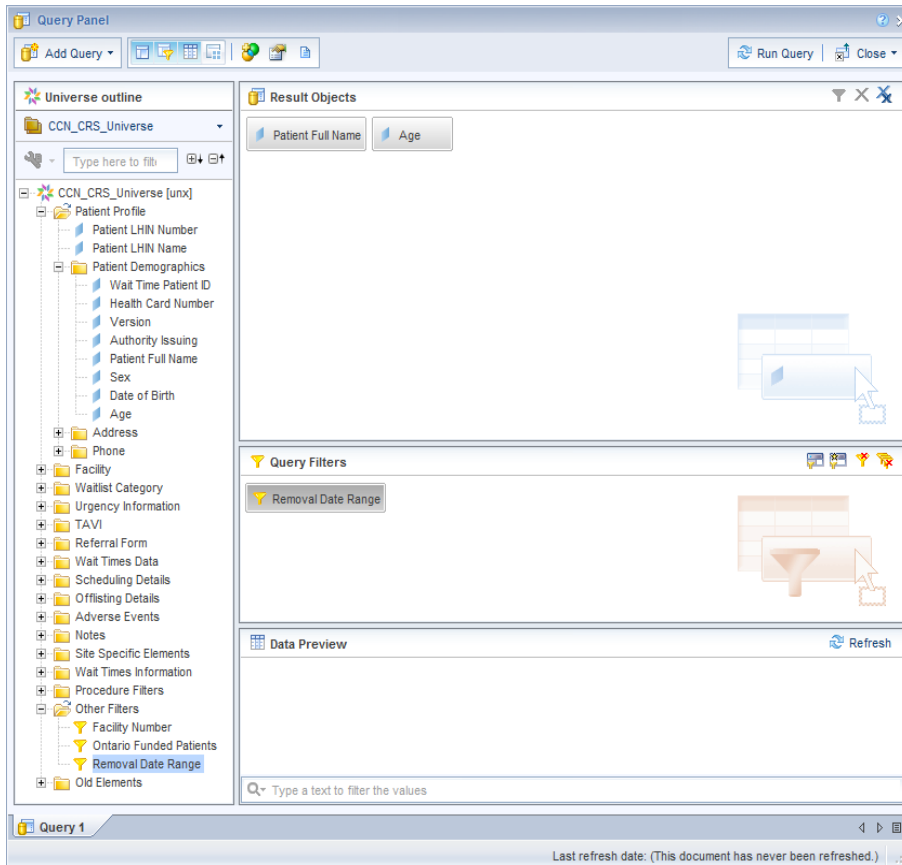
Report 1

Track Changes: Off | Page 1 of 1+ | 100% | 1 minute ago



2. Complex Query

Here you will learn how to build complex queries to retrieve specific data from your hospital. The following examples can be followed through in your query panel.





2.1 Dimensions as Filters

Query filters are fields that the user selects in order to refine data into what is needed. In the example below, we would like to see all records that have a **Scheduled PCI** within a specific removal date range. In order to do this, we would need to find all records where **Scheduled PCI** was selected. We do this by dragging the **Scheduled PCI** dimension and the **Removal Date Range** filter into the **Query Filters** section of the **Query Panel**. To only retrieve **Scheduled PCI** cases we need to give the dimension a value of 'Y' so the Web Intelligence knows we are only looking for **Scheduled PCI** cases as shown below. Upon running the query you will be prompted to enter the date range values.

The screenshot shows a query filter interface. On the left, a bracket labeled 'And' groups two filters. The first filter is 'Removal Date Range' with a funnel icon. The second filter is 'Scheduled PCI' with a document icon, followed by a dropdown menu set to 'In list' and a text input field containing 'Y'. A red square highlights the 'Y' in the input field.

See **Advanced Training – 2.3 Query Filter Prompts** section for more details.

2.2 Complex Queries

In the example below, we would like to see all records that have a **Scheduled PCI** or a **Staged PCI** completed within a specific **Removal Date Range**. In order to do this, we would need to find all records where the **Scheduled PCI** or **Staged PCI** fields were selected. We do this by selecting adding the **Staged PCI** dimension to our existing **Query Filters**.

It should look like this:

The screenshot shows the same query filter interface as before, but with an additional filter added below 'Scheduled PCI'. The new filter is 'Staged PCI' with a document icon, followed by a dropdown menu set to 'In list' and a text input field containing 'Y'. A red rectangle highlights the entire 'Staged PCI' filter row.

Notice that the 3 fields are in the same “**AND**” bracket. This is known as a condition. The query in its current form translates to “If **Scheduled PCI** and **Staged PCI** are both checked off within a specific **Removal Date Range**, return selected records”. Since this is an impossible scenario, as only one of those can be selected at a time, this query will return no results. To get what we really want we have to edit this a bit further (see next page).

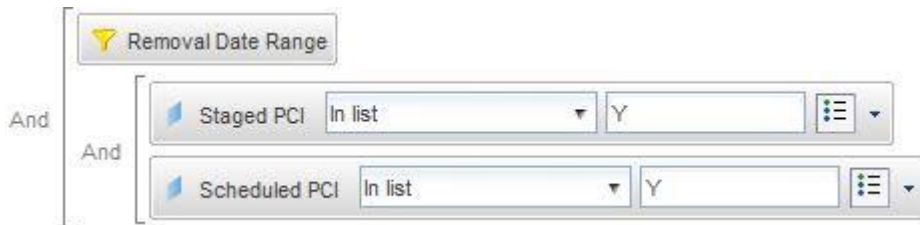


For our query to return all Scheduled PCIs and Staged PCIs we need to do the following two steps:

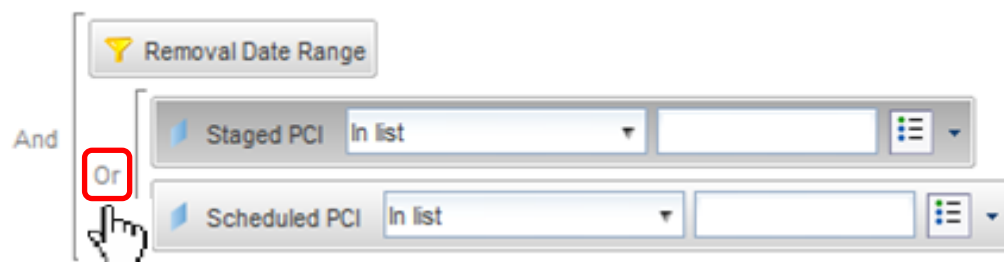
1. To create some flexibility with your query you want to drag one of the fields that contradict each other onto the other to create a new bracket as shown below:



To get the following:



2. If it did not work well start over with the Query Filters until you get the hang of it. Next, we want to change the “AND” on the new bracket to an “OR” condition. To do this, click on the “AND”.

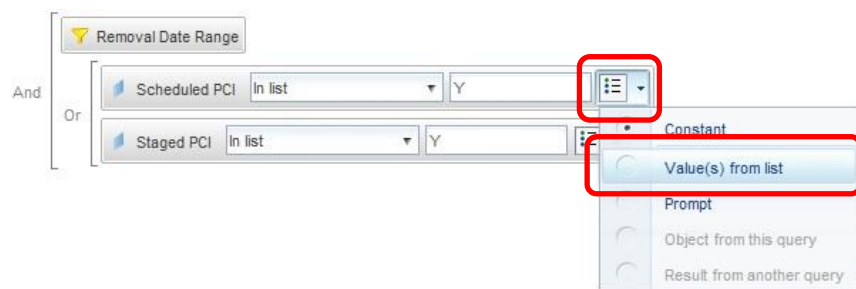


Now the query translates to: “If **Scheduled PCI or Staged PCI** are selected within the **Removal Date Range**, return those records with the selected columns in the **Result Object** section”.

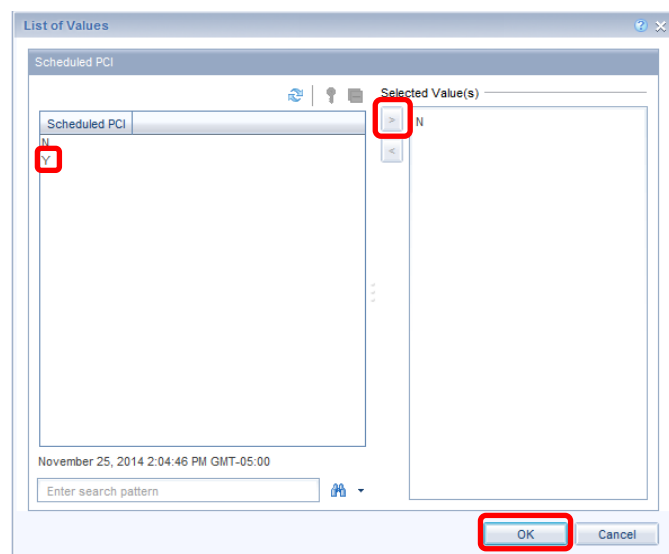


2.3 Query Filter Prompts

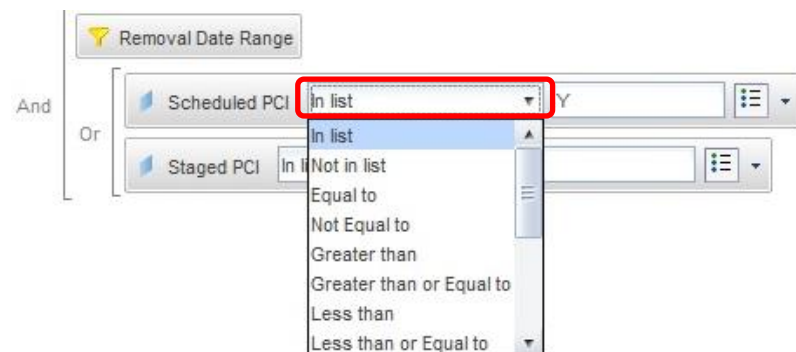
When filtering with **Dimensions**, they need to be told what values you require (i.e. 'Y','N','NULL','2'), otherwise they will not return correct data. If you do not know what some of the options for the values are you can click the **Value(s) from list** button from the dropdown.



This will trigger a new window that will show you all the possible scenarios for that **Dimension**. Select the one(s) you would like (in some scenarios you may select more than one), then click the little arrow, and click **OK**.



You may also change how the prompt values are being used by each **Dimension**. For our example we have it as **in list** which works just like **Equal to** but you may need to change this in the future depending on your scenario. Check the next pages for detailed a explanation of all the options in the dropdown.





2.4 Query Filter Operators

Operator	Retrieves Data	Example
Equal To	Equal to the specified value	{Waitlist Entry ID} Equal to 100001 retrieves data with the Waitlist Entry ID of 100001
Not Equal To	Not equal to the specified value	{Waitlist Entry ID} Not Equal to 100001 retrieves data other than Waitlist Entry ID of 100001
Greater than	Greater than the specified value	{Removal Date} Greater than 2013-01-01 retrieves data for all Removal Date greater than 2013-01-01
Greater than or Equal to	Greater than or equal to the specified value	{Removal Date} Greater than or Equal to 2013-01-01 retrieves data for all Removal Date greater than and including 2013-01-01
Less than	Less than the specified value	{Removal Date} Less than 2013-01-01 retrieves data for all Removal Date less than 2013-01-01
Less than or Equal to	Less than or equal to the specified value	{Removal Date} Less than or equal to 2013-01-01 retrieves data for all Removal Date less than and including 2013-01-01
Between	Between two values; including these values	{Removal Date} Between 2013-01-01 and 2013-12-31 retrieves data for all Removal Date between and including the specified dates
Not Between	Not Between two values; not including these values	{Removal Date} Not between 2013-01-01 and 2013-12-31 retrieves data for all Removal Date not between and not including the specified dates
Is null	For which there is no value entered in the database	{Removal Date} Is empty value retrieves data with no Removal Date entered
Is not null	For which there is a value entered in the database	{Removal Date} Is not empty value retrieves data with Removal Date entered
Matches pattern	Includes a specific string value that is like a value.	{First Name} Matches pattern 'And%' retrieves data for any First Name that begins with And (i.e. Andrew)
Different from pattern	Excludes a specific string that is like a value	{First Name} Different from pattern 'And%' retrieves data for any First Name that does not begin with And